MONITOR.

GF3800
Vented Heating Systems
Owner's Guide

This manual provides instructions for BOTH standard construction homes, and Manufactured (Mobile) homes.

IMPORTANT:
READ THIS OWNER'S GUIDE
CAREFULLY AND THOROUGHLY
BEFORE INSTALLING OR USING
YOUR HEATER.
RETAIN THIS OWNER'S GUIDE
FOR FUTURE REFERENCE.

⚠ WARNING: IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

WHAT TO DO IF YOU SMELL GAS

DO NOT TRY TO LIGHT ANY APPLIANCE.
DO NOT TOUCH ANY ELECTRICAL SWITCH; DO NOT USE ANY PHONE IN YOUR BUILDING.
IMMEDIATELY CALL YOUR GAS SUPPLIER FROM A NEIGHBOR'S PHONE.
FOLLOW THE GAS SUPPLIER'S INSTRUCTIONS.
IF YOU CANNOT REACH YOUR GAS SUPPLIER, CALL THE FIRE DEPARTMENT.

INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

This appliance may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

SAFETY ALERT SYMBOL ⚠

These symbols appear as important safety precautions and should be understood and followed by the owner to assure safe operation of the heater.

For Quick Reference

Page

SECTION A: Important Caution 1
SECTION B: Specifications 5
- Special Features 5
- Safety Features 5

SECTION C: Tools Needed for Heater Installation 6
- Accessories You May Need 7
- Flue Pipe Extensions 8

SECTION D: Notice Before Installation 9
- Heater Installation 10
- Flue Pipe Clearances 11

SECTION E: Gas Connection 16
SECTION F: Operating Instructions 17
- Starting Instructions 18
- Adjusting Room Temperature 18
- Turning Off the Heater 19
- Relighting the Heater 19
- Programming the Heater 19
- Programming for Automatic Heater Operation 20
- Manual Operation 20

SECTION G: Protective Features 21
- Loss of Power-Automatic Reset, Child Lock 21
- Electrical Fuse 21
- Overheat Prevention 21

SECTION H: Maintenance and Check 22
SECTION I: Trouble Shooting Guide 23
SECTION J: Wiring Diagram 24
- Block Diagram 24

SECTION K: Parts List 26

COPYRIGHT © MONITOR PRODUCTS, INC.,

IMPORTANT CAUTION

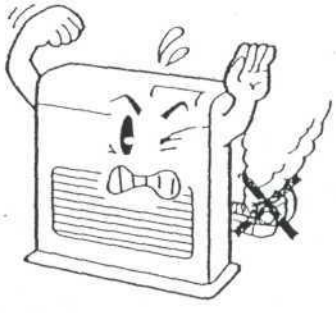
⚠WARNING

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE, REFER TO THE OWNER'S INFORMATION MANUAL PROVIDED WITH THIS APPLICANCE.
INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

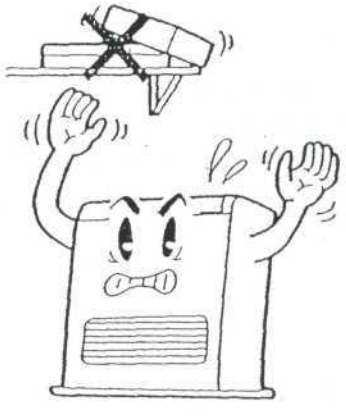
THIS PRODUCT MUST BE INSTALLED BY A LICENSED PLUMBER OR GAS FITTER WHEN INSTALLED WITHIN THE COMMONWEALTH OF MASSACHUSETTS.

⚠CAUTION

- Make sure that flue pipe (exhaust pipe, air supply hose) is connected properly.



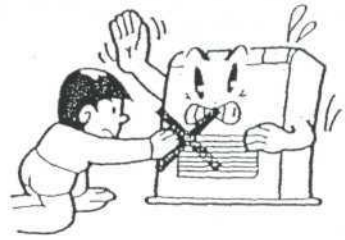
- Keep heater clean and do not store any flammable items on or near the heater.



• Don't use the heater for drying clothes.

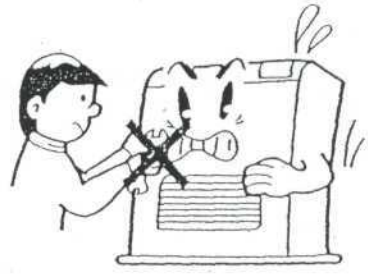
• Should anything abnormal occur in the heater, remain calm, turn it off (do not unplug) and contact your Monitor dealer.

• Risk of burns.
Flue pipe and louver may have high surface temperature.



• Do not place yourself or others too close to the heater.

• Installation of heater in extreme humidity or dust areas is not recommended.
Any removal of unit parts or remodeling is strictly forbidden.

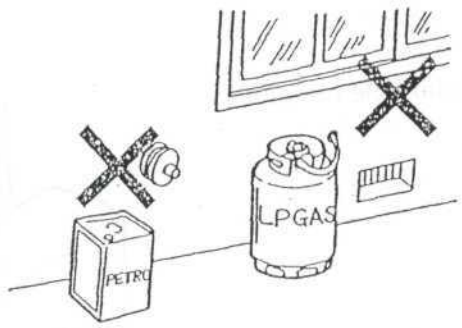


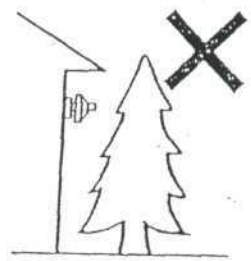
• Do not sit on the heater.
Placing ornaments or plants on the heater is not recommended. Excess heat may cause damage to ornament or plant and overwatering or spilling of water may cause shock to you or damage to the heater.

- Don't spray aerosols on the heater when in operation.

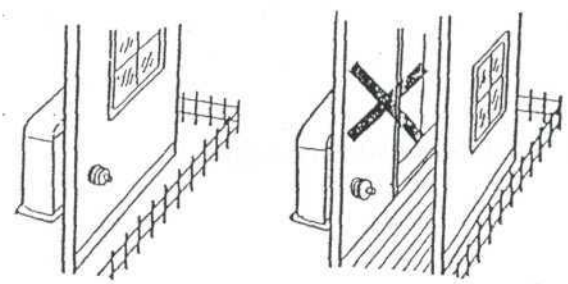
- Don't allow children to insert articles in the louvers.

- Keep flammable materials, trees, shrubs etc. away from flue pipe.

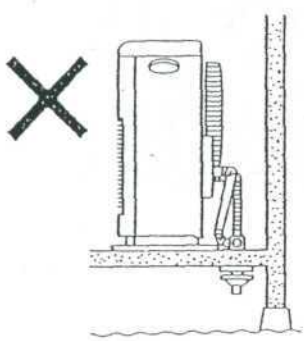


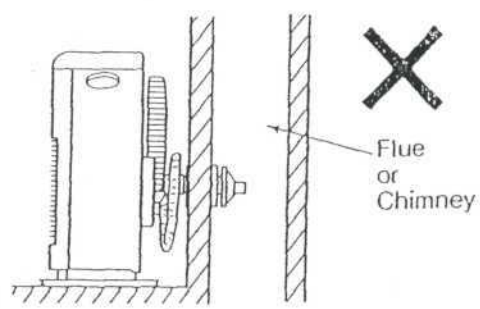


- Do not vent unit into other rooms. Flue pipe must be outside.

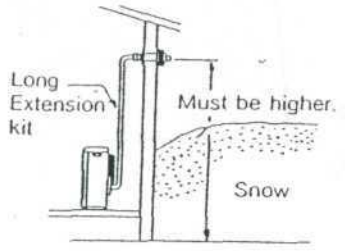


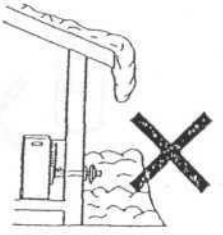
- Do not install nor exhaust the flue pipe into a crawl space or underneath floor nor into a flue or chimney.

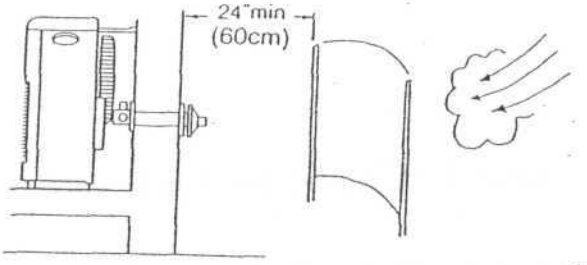




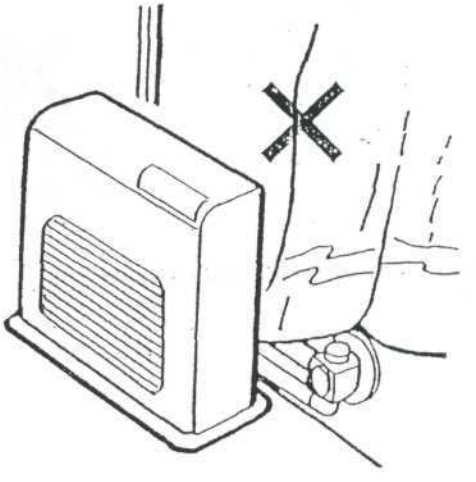
- In areas of heavy snow accumulation, the flue pipe may need to be installed higher to avoid being buried. In open areas with strong wind, a wind break may be necessary to avoid exhaust gases being blown back into the intake and causing poor combustion.



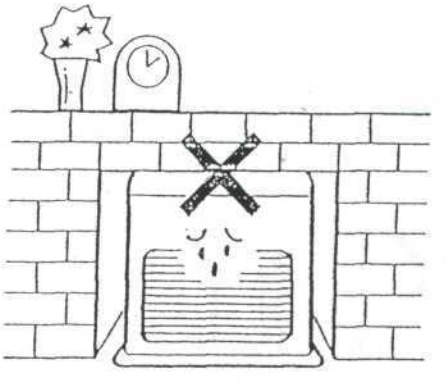




- Exhaust pipe must be kept clear of flammable materials.



- This heater is not designed to be built in.



SECTION B

SPECIFICATIONS

Model No.	GF 3800	
Type of Appliance	Fan type direct vent wall furnace	
Input Rating	Nat. Gas 38,000 BTU/hour	
	LP. Gas 34,500 BTU/hour	
Output Rating	Nat. Gas 30,700 BTU/hour	
	LP. Gas 27,900 BTU/hour	
Efficiency	83%	
Electrical Rating	120V, 60Hz, Less than 2 amperes	
Power Consumption	80 Watts	
Heated Air Delivery	High	388 Cubic feet/minute
	Low	300 Cubic feet/minute
Flue Pipe Hole	2.5 inches diameter	
Dimensions	Height: 26.6 inches (67.56cm)	
	Width: 28.7 inches (72.90cm)	
	Depth: 14.0 inches (35.50 cm)	
Weight	82 pounds	
Inlet Gas Supply Pressure	Nat. Gas Max.	10.5 inch W.C. (267 mmH_2O)
	Min.	5.1 inch W.C. (130 mmH_2O)
	LP. Gas Max.	13.0 inch W.C. (330 mmH_2O)
	Min.	11.0 inch W.C. (279 mmH_2O)
Manifold Test Pressure	Nat. Gas	3.4 inch W.C. (86 mmH_2O)
	LP. Gas	3.15 inch W.C. (80 mmH_2O)

The minimum and maximum inlet gas supply pressure are for the purpose of input adjustment. The efficiency rating of this appliance is a product of thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

SPECIAL FEATURES

AUTOMATIC IGNITION

MEMORY BACK UP: Set memory can be kept in case of power failure for up to 30 minutes.

DUAL BLOWERS: Separate fans for combustion and room air circulation.

THERMOSTATICALLY CONTROLLED: Adjusts to the desired room temperature.

BUILT-IN TIMER: Heater will automatically operate as programmed by the user.

AUTOMATIC RESET AFTER POWER FAILURE: Heater will automatically resume operation after power is restored.

INDICATOR LIGHTS: Easy-to-see signals show when heater is in operation, when timer is activated, and when the burner is operating.

CLEAN OPERATION: Products of combustion are vented outside.

CONSUMES NO ROOM AIR: Air for combustion is drawn from outside.

EASY INSTALLATION: Includes all parts required for standard installation.

SAFETY FEATURES

SAFE RE-LIGHTING: Heater will not restart until its combustion chamber has cooled.

ELECTRICAL PROTECTION: Heater automatically shuts off in the unlikely event of a malfunction in the electrical circuitry or disruption of the power supply.

NO EXHAUST IN ROOM: Products of combustion are discharged outdoors.

FLUE PIPE: Outside air is drawn through a pipe-within-a-pipe venting system. This process preheats combustion air and regains heat from exhaust gases.

⚠ CAUTION: ALTERNATE POWER SOURCES

The Monitor GF3800 may not operate when powered by sources such as an auxiliary generator, UPS (Uninterrupted Power Source), inverters, etc.

Check with your dealer for guidance on specific applications.

SECTION C

Before installing your heater, be sure to check and comply with local and state building and electrical codes that may apply to vented heaters in your area. Permanent wiring must be installed by a licensed electrician.

TOOLS NEEDED FOR HEATER INSTALLATION

Check the following charts to be sure you have all the tools required to install your Monitor GF3800 Heating System.

STANDARD TOOLS	APPLICATION
Phillips Head Screwdriver	Installation of Heater Parts
Steel Tape Measure	Taking Measurements
Pen or Pencil	Marking Drilling Location
Exterior Caulk	Caulking Between Packing and Wall
Yardstick or Long Straight Edge	Checking Angle of Hole for Flue Pipe
Soapy Water	Lubricating Sleeve Hardware

SPECIAL TOOLS	APPLICATION
Electric Drill	Accommodating Hole Saw and Drill Bit
2 ½ inch Hole Saw Attachment	Cutting Hole for Flue Pipe
Long ¼ inch Drill Bit	Drilling Pilot Hole Through Wall
Level	Checking Angle of Hole for Flue Pipe and for checking heater level.

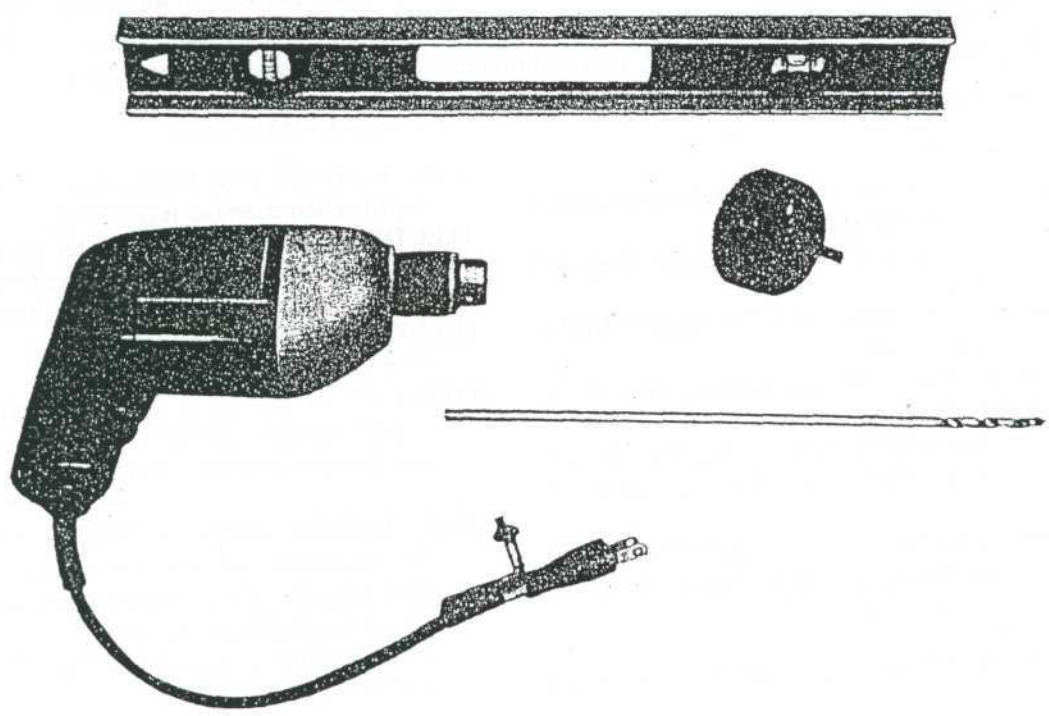


Fig. 1

ACCESSORIES YOU MAY NEED

Check the list below and see your MPI dealer for accessories you may need or want for installation of your heating system.

⚠ *CAUTION: Only use the flue pipe supplied with the Monitor GF3800, or the approved accessory kits available from your Monitor or dealer.*

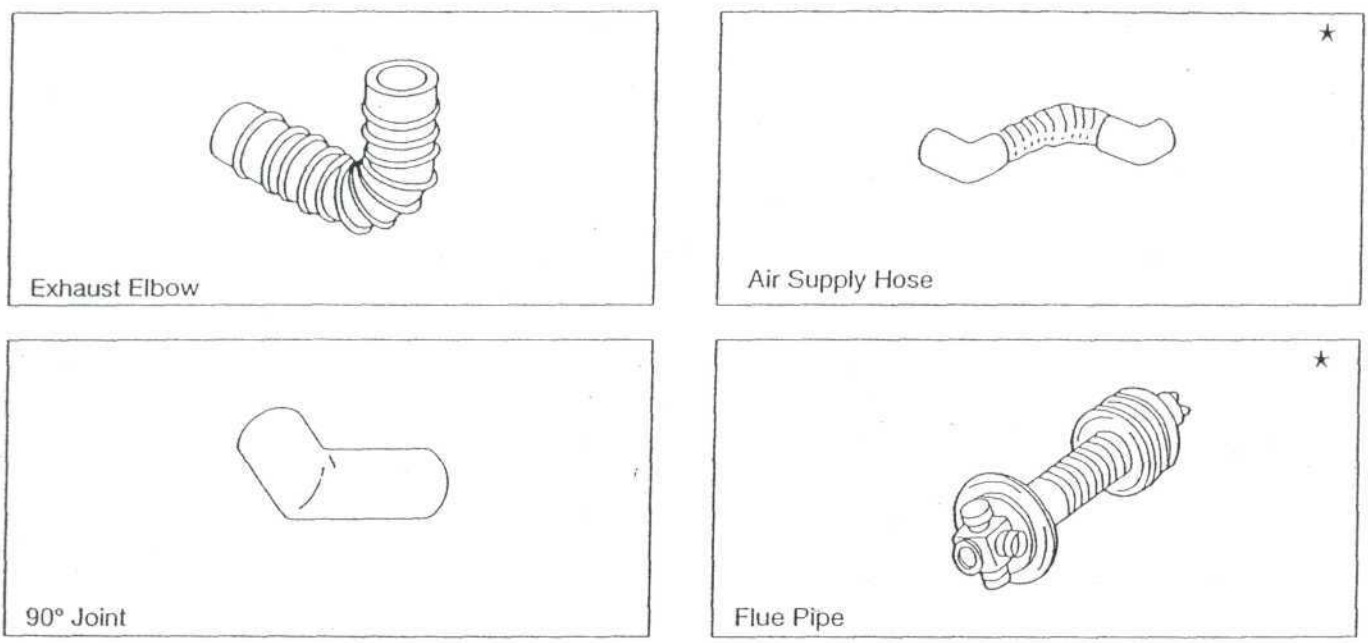
ACCESSORY		APPLICATION
Medium Adjustable Flue Pipe Kit	P/N 8051	For use where wall thickness is up to 12½ inches (31.5 cm)
Long Adjustable Flue Pipe Kit	P/N 8052	For use where wall thickness is up to 20 inches (50.5 cm)
Extra Short, Short, Medium or Long Extension Kit or Elbow Adapter Kit (See Flue Pipe Extensions, page 8)		For use where "standard" installation is not practical

FLUE PIPE EXTENSIONS

Four standard extension kits are available from your Monitor dealer. Most installations can be made with one of these kits. In special cases, custom installations may be required. These may be made with components purchased from your dealer.

In any installation the following limitations MUST NOT BE EXCEEDED:

1. The total length of the intake or exhaust pipe should not exceed 10 feet (3.05m) with 3 elbows, 13 feet (3.96m) with 2 elbows, or 16½ feet (5.3m) with 1 elbow.
2. These elbows should include the one used at the heater but not the one on the air supply hose nor the integral bends in the flue pipe. (See Figure 2)
3. The correct damper as shown on Page 14 must be used.
4. Follow carefully the instruction included with each kit.



★ Do not count

Fig. 2

SECTION D

NOTICE BEFORE INSTALLATION

The heater must be installed by a qualified service person according to this installation instruction .

The installation must conform with local codes or, in the absence of local codes, the National fuel Gas Code, ANSI Z223.1/ NFPA 54 .

The installation must conform with local codes or, in the absence of local codes, the current CAN 1-B149 INSTALLATION CODE.

For mobile housing and recreational vehicle installation the current Standard CSA Z 240.4 GAS EQUIPPED RECREATIONAL VEHICLES AND MOBILE HOUSING.

A manufactured home (mobile home) installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or, when such a standard is not applicable, the Standard for Manufactured Home installations, ANSI A 225.1/NFPA 501A.

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the same room as the appliance.

Clothing or other flammable material should not be placed on or near the appliance.

Make sure that the flow of combustion and ventilation air is not obstructed.

Any safety or guard removed for servicing an appliance must be replaced prior to operating the appliance.

⚠ WARNING

Do not operate appliance with the panel removed, cracked or broken. Replacement of the panel should be done by a licensed or qualified service person.

For manufactured home (USA only) or mobile home or residential installation convertible for use with natural gas and liquefied petroleum gases when provision is made for the simple conversion from one gas to the other.

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.

The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 .

The appliance, when installed, must be electrically connected and grounded in accordance with local codes or, in the absence of local codes, with the current CSA C22.1 CANADIAN ELECTRICAL CODE.

⚠ WARNING

THIS APPLIANCE IS EQUIPPED WITH A THREE-PRONG (GROUNDING) PLUG FOR YOUR PROTECTION AGAINST SHOCK HAZARD AND SHOULD BE PLUGGED DIRECTLY INTO A PROPERLY GROUNDED THREE-PRONG RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG.

⚠ WARNING

IN MANUFACTURED/MOBILE HOMES WIRED FOR 120/240V, ENSURE THAT THE GF3800 IS ONLY PLUGGED INTO A 120 VOLT CIRCUIT.

⚠ CAUTION

Before converting the GF3800 gas type (to Liquid Propane or Nat Gas), Read instructions in Section E, Page 16.

HEATER INSTALLATION

Step 1: Fill Out Owner Registration Card

Remove your owner registration card from the plastic envelope containing the owner's guide. It should be filled out and mailed as soon as possible.

Step 2: Check for Parts

Before discarding packing materials, be sure you have located the following:

- Manual Gas Valve
- Conversion Kit
- Flue Pipe
- Sleeve Nut
- Tray
- Room Temp. Sensor (attached to the rear of the heater)
- Cardboard Template
- "STANDARD" Damper
- "EXTENSION" Damper
- Wall Clamps (2)
- Rubber Packing
- Joint Pipe
- Cloth Insulation Cover
- Outer Flange
- Pipe Holder
- Small Bag of Screws
  - Tapping, Type A – #8×3/4
  - Tapping, Type A – #8×5/16

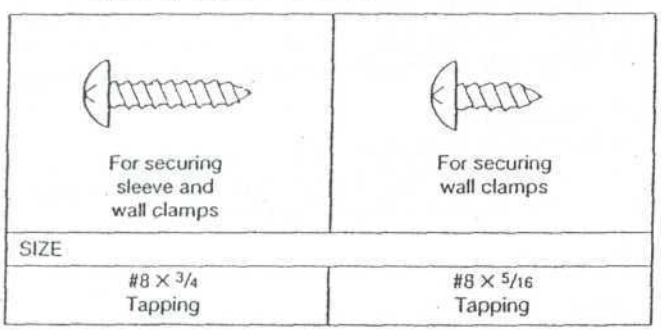


Fig. 3

Step 3: Choose a Location for Your Heater

In choosing a location for your heater, the following guidelines must be considered:

- The heater may be installed on combustible flooring on the metal tray provided.
- The area around the heater should be free of obstacles that might interfere with the free flow of air. Allow the clearances shown in Figure 4.
- The heater must not be installed in a fireplace.
- An AC wall outlet must be within reach of the heater's power cord. Extension cords must not be used.
- The area outside where the flue pipe will emerge should be free of foliage, fuel storage tanks and flammable objects. Air should circulate freely in the area. Allow the clearances shown in Figure 6 on the next page.
- Refer to Figure 4 to provide adequate accessibility clearances for servicing.
- The wall where flue pipe hole will be cut should be free of plumbing pipes, electrical wires, studs, air ducts and other obstacles.

NOTE: Use the cardboard template provided with your heater for flue pipe location.

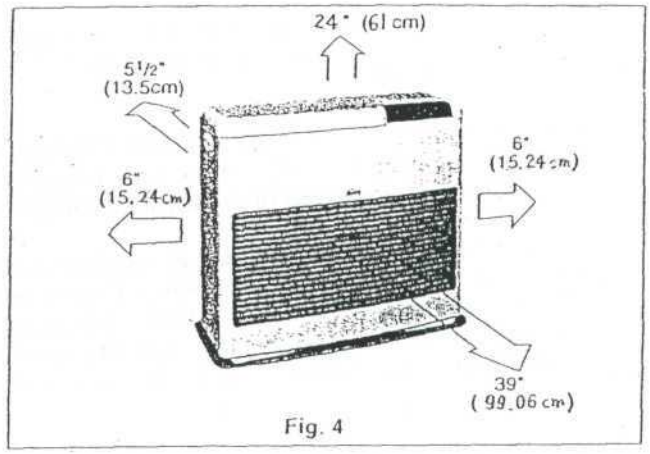


Fig. 4

Step 4: Drill a Pilot Hole

NOTE: The following directions apply to "standard" installation. For other methods, follow instructions included with accessory kits.
For walls up to 8 1/2 inches (22.0cm) thick, use a standard flue pipe; for walls up to 12 1/2 inches (31.5cm) thick, use a medium adjustable flue pipe kit; and for walls up to 20 inches (50.5cm) thick, use a long adjustable flue pipe kit.

Use the template to position the hole to be drilled. The "blue dot" indicates the exact center of the hole. Using an electric drill and a long drill bit, make a pilot hole through the wall (Figure 5). Be sure the hole extends through the outside wall.

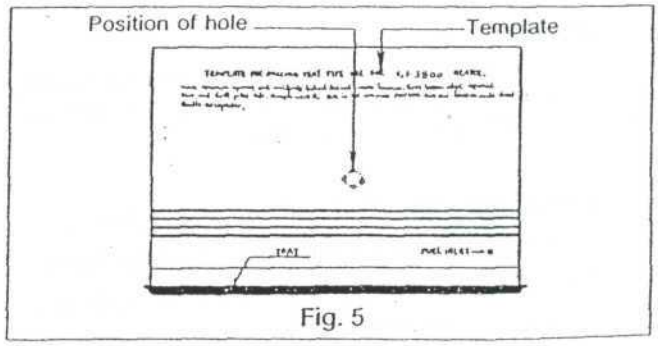


Fig. 5

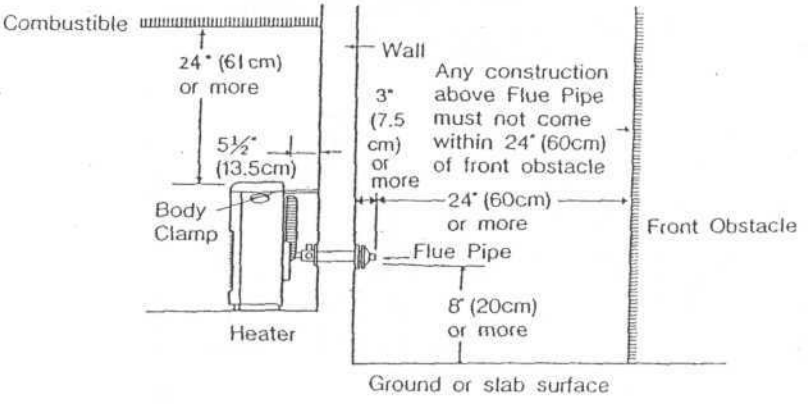
⚠ *CAUTION: The opening on the inside wall should be approximately 1/4 inch higher than on the outside wall so the flue pipe will slope downward when installed. This will allow condensation to drain outdoors.*

FLUE PIPE CLEARANCES

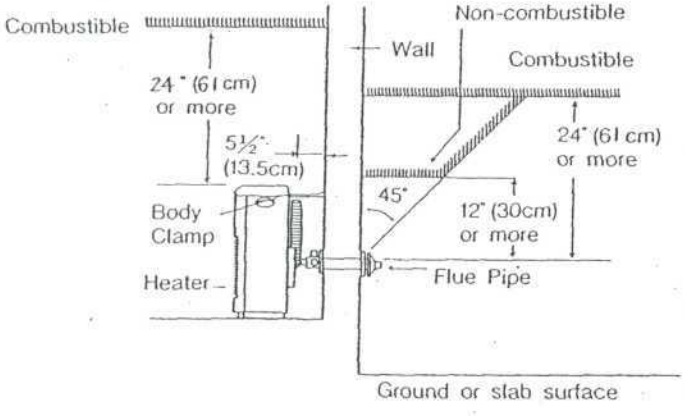
- Vent terminal must be located at least 3 feet above any forced air inlet located within 10 feet.
- The vent terminal of a direct vent appliance with an input of 50,000 Btu per hour or less shall be located at least 9 inches from any opening through which flue gases could enter a building, and such an appliance with an input over 50,000 Btu per hour shall require a 12-inch vent termination clearance. The bottom of the vent terminal and the air intake shall be located at least 12 inches above grade.
- Flue pipe installations should provide for venting to a confined space through which there is a free flow of outdoor air. Clearances to adjacent walls or obstacles must comply with the requirements shown below.

Frontal Clearance

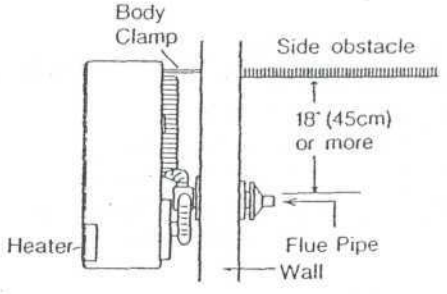
⚠ CAUTION :
Do not attach anything onto the outlet of the flue pipe.



Overhead Clearance

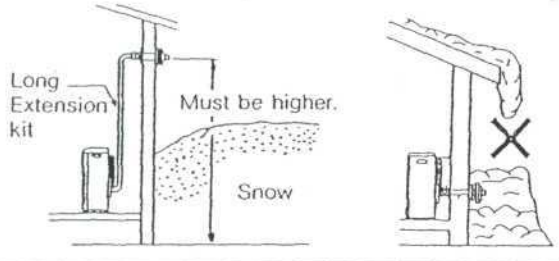


Side Clearance



IMPORTANT:

(1) In areas of heavy snow falls, ground surface clearance must be increased according to average snow falls, to prevent flue pipe from being buried.



(2) In open area with strong wind, a wind break may be necessary.

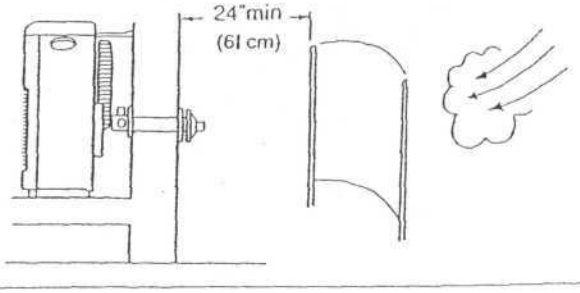


Fig. 6

Step 5: Cut the Hole for the Flue pipe

Using a hole saw attachment and an electric drill, cut a 2½ inch diameter hole through the inner and outer walls (Figure 7).

After the hole is cut, use a straight edge and a level to be sure the inside opening is approximately ¼ inch higher than the outside opening.

NOTE: After cutting the inside wall, remove the insulation. Make sure there are no obstructions inside the wall, such as electrical wiring, water pipes, hot air ducts, etc.

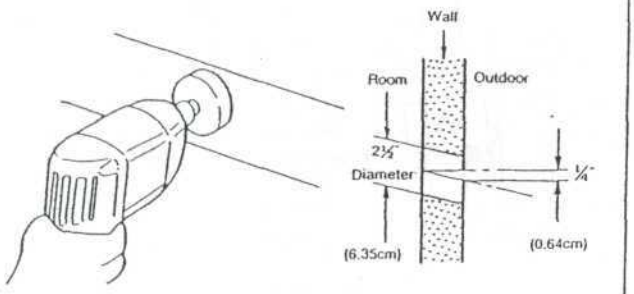


Fig. 7

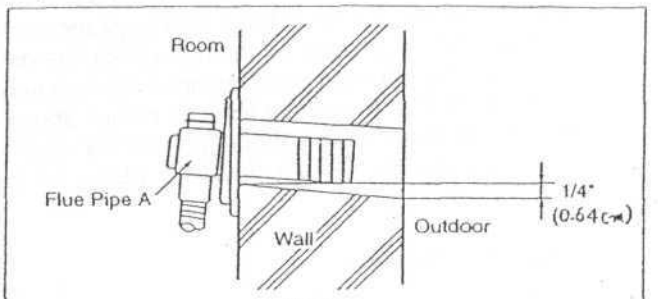


Fig. 9

Step 6:The Flue Pipe is two Sections, Flue Pipe A and Flue Pipe B

Install the Flue Pipe A

From INSIDE the building, insert the flue pipe A (with arrow pointing "up") into the hole. Fasten the flue pipe with the 3#8× 3/4 tapping screws (Figure 8 and 9). (See Figure for screw size and application.)

NOTE: Top center port is an extra exhaust port.

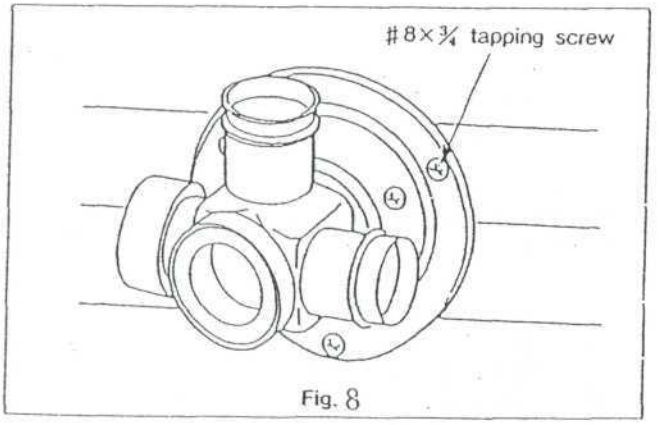


Fig. 8

Step 7:Install Flue Pipe B

Wall Thickness: 5-8½ inches

1. Slide the outer flange and the rubber packing onto Flue pipe B. (Figure 10)

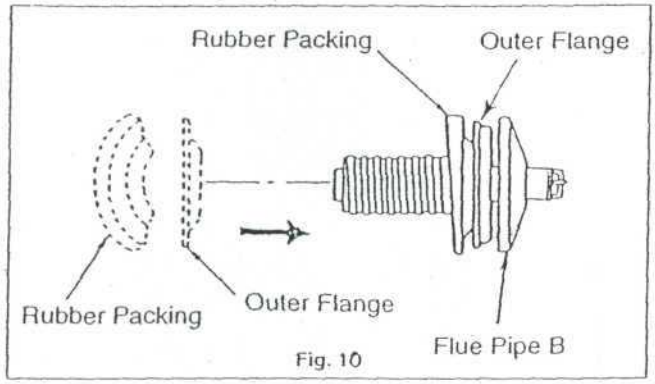


Fig. 10

2. Spread caulking material on the inside of the rubber packing if required. (Figure 11)

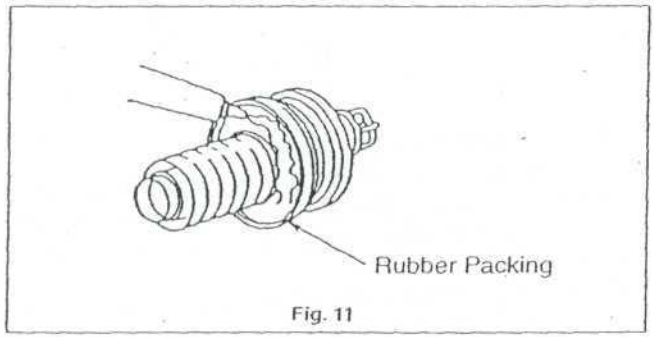


Fig. 11

3. It is imprtant to keep the "UP" mark on the rubber packing at the top while screwing in Flue pipe B. Hold the packing in place while screwing in Flue pipe B until it is the tight. (Figure 12)

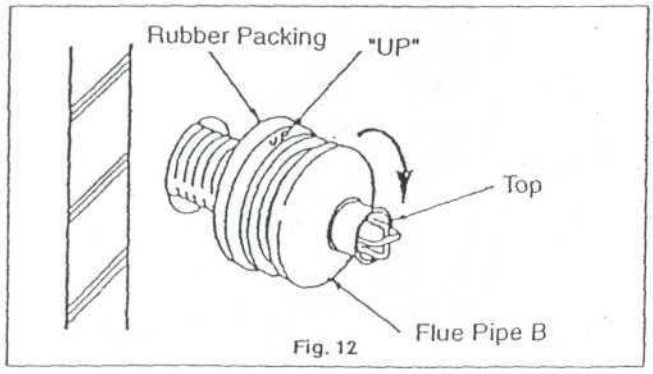


Fig. 12

Wall Thickness: ⅝ -5 inches

1. Set the Sleeve nut onto Flue Pipe B by turning the Sleeve Nut counter-clockwise. Slide the Outer Flange and the Rubber Packing onto Flue Pipe B. (Figure 13)

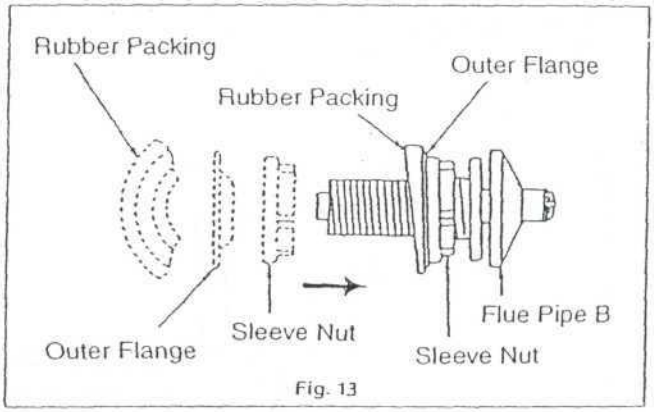


Fig. 13

2. Spread caulking material on the inside of the Rubber Packing if required. (Figure 11)

3. It is important to keep the "UP" mark on the Rubber Packing at the top while screwing in the Flue Pipe B. Hold the Rubber packing in place while screwing in the Flue Pipe B until it is the tight. (Figure 12)

4. Turn the Sleeve Nut clockwise and tighten. (Figure 14)

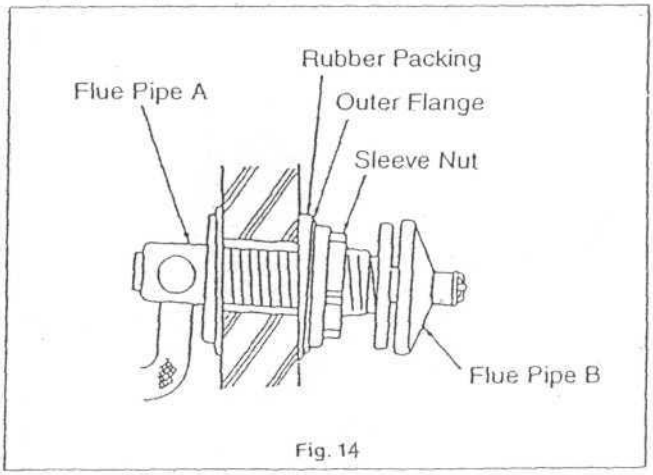


Fig. 14

Step 8: Level the cabinet

Place tray on the floor where you plan to locate your heater.

Position the heater on the tray so the legs of the cabinet fit into the circular indentations in the tray.

In order for heater to operate properly. It must be positioned on a level surface. Ensure proper leveling by adjusting each leg and by using a carpenters level to check both side to side, and front to back level condition. (Figure 15)

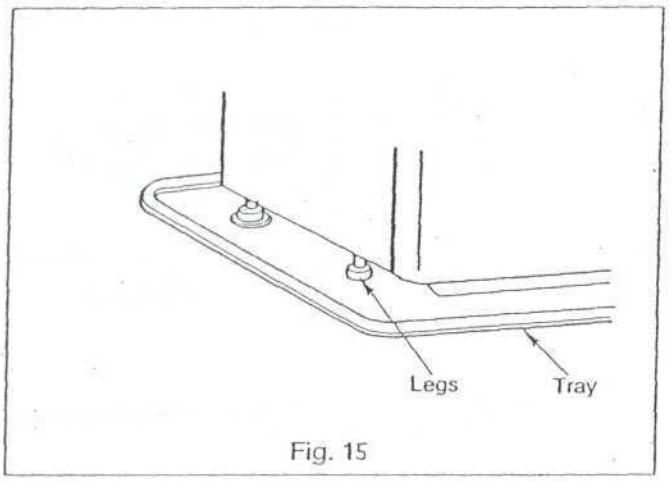


Fig. 15

Step 9: Install the Joint Pipe

At the rear of the heater, slide the large end opening of the joint pipe into the exhaust port outlet of the heater. Be sure the joint pipe is fully seated. Slide the cloth insulation cover over the joint pipe (Figure 16).

The o-rings that seal the joint pipe may be dry and tight. A little soapy water will ease installation.

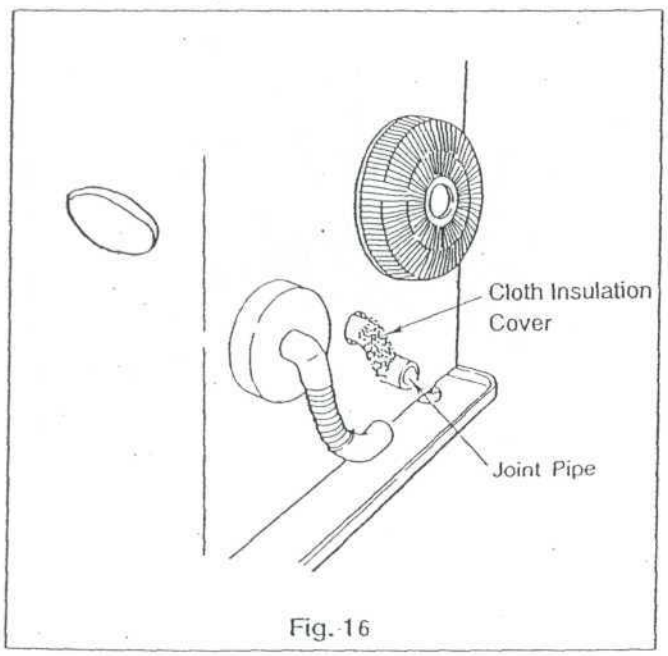


Fig. 16

Step 10: Connect the Heater to the Flue Pipe

Move the heater toward the wall, guiding the joint pipe into the center port of the flue pipe (Figure 17).

Be sure the joint pipe is completely inserted into the flue pipe.

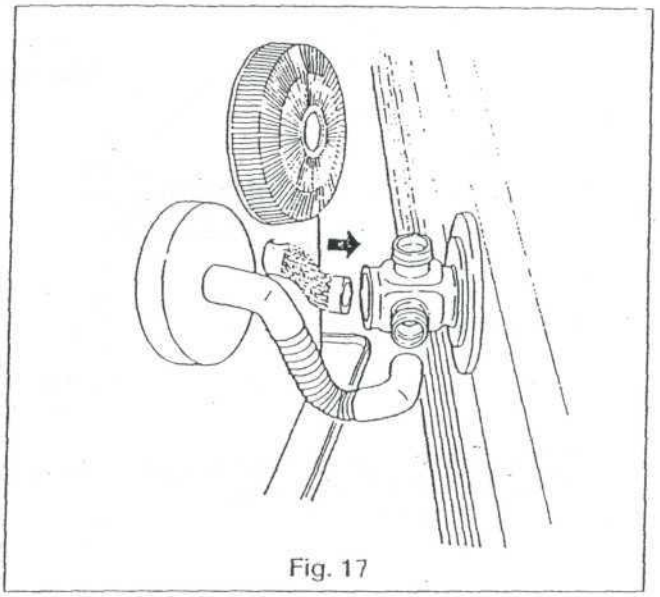


Fig. 17

Step 11: Install the Air Damper

If installation is standard (that is, no extension kits are required), place the air damper marked with a "STANDARD" over the air intake flange on the flue pipe (Figure 18).

Place the hose band around the end of the air supply hose. Push the air supply hose onto the air intake flange and secure the hose with the hose band.

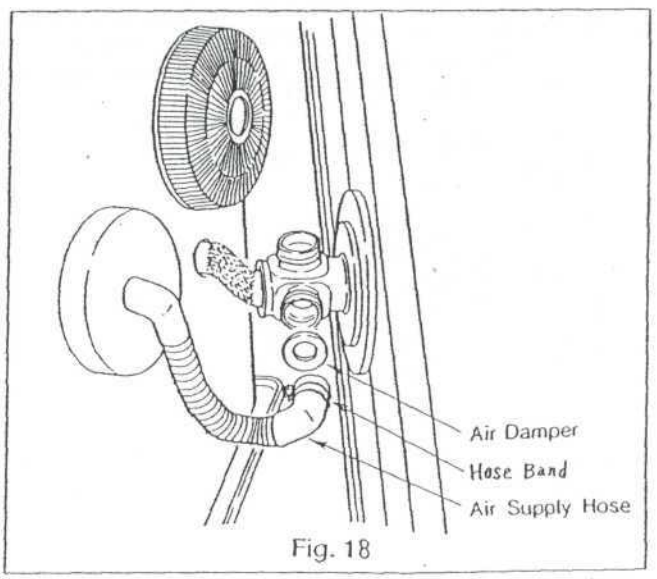


Fig. 18

NOTE: Do not place intake hose onto metal capped exhaust port.

NOTE: The "STANDARD" damper is to be used with extension kits up to a total overall length of 20 inches and a maximum of 3 bends (90° elbow). The "EXTENSION" damper must be used when extension kit or kits exceed 20 inches.

Step 12: Install the Flue Pipe Holder

Place the ring of flue pipe holder around the metal capped exhaust port. The other side of the holder hooks in a slot directly above the joint pipe at the rear of the heater (See Figure 19).

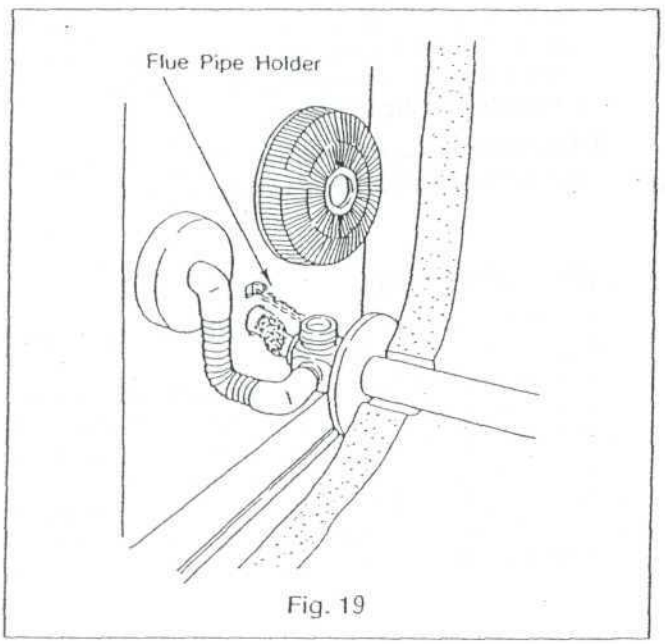


Fig. 19

Step 13: Secure the Heater

Insert the narrow ends of the 2 wall clamps into sockets on the rear of the heater.

Loosen the 2 #8×5/16 adjustment screws and extend the clamps until they touch the wall. Fasten the clamps to the wall with 2 #8×3/4 tapping screws.

Fasten the adjustment screws.

Step 14: Recheck the Heater

Before proceeding, check again to be sure there are no flammable materials close to the heater. Re-check that the heater is level.

Examine the flue pipe to be sure connections are tight.

⚠ **WARNING:** Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

SECTION E

GAS CONNECTION

1. The gas supply line shall be gas-tight, sized and so installed as to provide a supply of gas sufficient to meet the maximum demand of the heater without loss of pressure.
2. A shut off valve should be installed in the upstream of the gas line to permit servicing.
3. Flexible pipe and any appliance connector valve used for gas piping shall be types approved by nationally recognized agencies.
4. Any compound used on the threaded joint of the gas piping shall be a type which resists the action of liquefied petroleum gas.
5. Supplied gas pressure must be within the limits shown in the specifications.
6. After completion of gas connections, all joints including those at the heater must be checked for gas-tightness by means of leak detector solution, soap and water, or an equivalent nonflammable solution, as applicable.

⚠CAUTION: Since some leak test solutions, including soap and water, may cause corrosion or stress cracking, the piping shall be rinsed with water after testing, unless it has been determined that the leak test solution is noncorrosive.

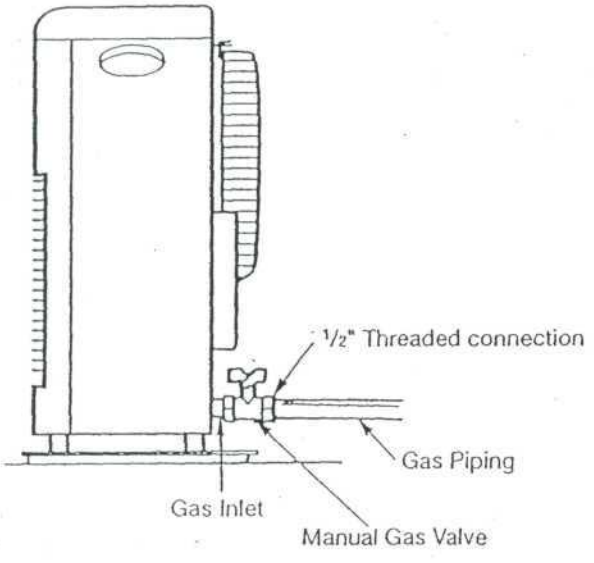


Fig. 20

7. The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi(3.5kPa).
   The appliance must be isolated from the gas piping system by closing its equipment shutoff valve during any pressure testing of the gas supply piping system at test pressure equal to or less than 1/2 psi(3.5kPa).
8. A 1/8" test plug is provided for testing of manifold pressure see schematic for location (page 27)
   At time of installation installer must supply a 1/8" N.P.T. plugged tapping, accessible for test gauge connection, immediately upstream of the gas supply connection of the appliance.
9. The minimum and maximum inlet gas supply pressure are for the purpose of input adjustment.

GAS CONVERSION

Conversion should only be performed by a qualified Monitor GF service technician.
The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the CAN 1-B149.1 and .2 installation code.
CAREFULLY FOLLOW THE COMPLETE CONVERSION INSTRUCTIONS CONTAINED IN THE CONVERSION KIT SUPPLIED WITH THE GF3800.

HIGH ALTITUDE INSTALLATION

All units must be installed according to the following chart to determine which orifice will be used for the appropriate altitude

*Obtain the High altitude orifice from your Dealer

Natural Gas	
Up to 2000 feet	Do not Change the orifice. (3.50mm)
2000-6000 feet	*3.35mm drill size orifice
Liquid Propane	
Up to 2000 feet	Do Not Change the orifice. (2.64mm)
2000-6000 feet	*2.53mm drill size orifice

SECTION F

FOR YOUR SAFETY READ BEFORE OPERATING

⚠ WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repeat it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

OPERATING INSTRUCTIONS

STOP! Read the safety information above on this label.

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance via the ON/OFF switch on the control panel.
3. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
4. Turn manual valve at rear of unit clockwise to the full OFF position.
5. Wait five (5)minutes to clear out any gas. Then smell for gas, including near the floor. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to next step.
6. Turn manual gas valve to the full ON position.
7. Turn on all electric power to the appliance.
8. Set the thermostat to desired setting.
9. If the appliance will not operate, follow the Instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

1. Turn off electric power to the appliance using the ON/OFF switch located on the front of unit.
2. Turn manual valve clockwise to the full OFF position.

NOTE: The fan will continue to operate until the appliance is cool, do not turn the appliance off by unplugging it from the wall.
Unplug the appliance only after unit is cooled down.

STARTING INSTRUCTIONS

Step 1: Plug in the Heater
Plug in the AC cord, and route it away from the area of the flue pipe. It is recommended that no other appliance share the same outlet.

NOTE: When the unit is operated for the first time or the gas piping is replaced, the unit may not come ON the first few times since air is in the piping. In this case, repeat the starting procedures.

Step 2: Set "ON" Button
Depress the ON/OFF button to the "ON" position (Figure 21). The "Operation" light will illuminate, indicating the heater is on.
Burn lamp will light and ignition will start after approximately 20 seconds. In 90 seconds the circulation fan will start to operate, and warm air will be felt coming through the cabinet grill.

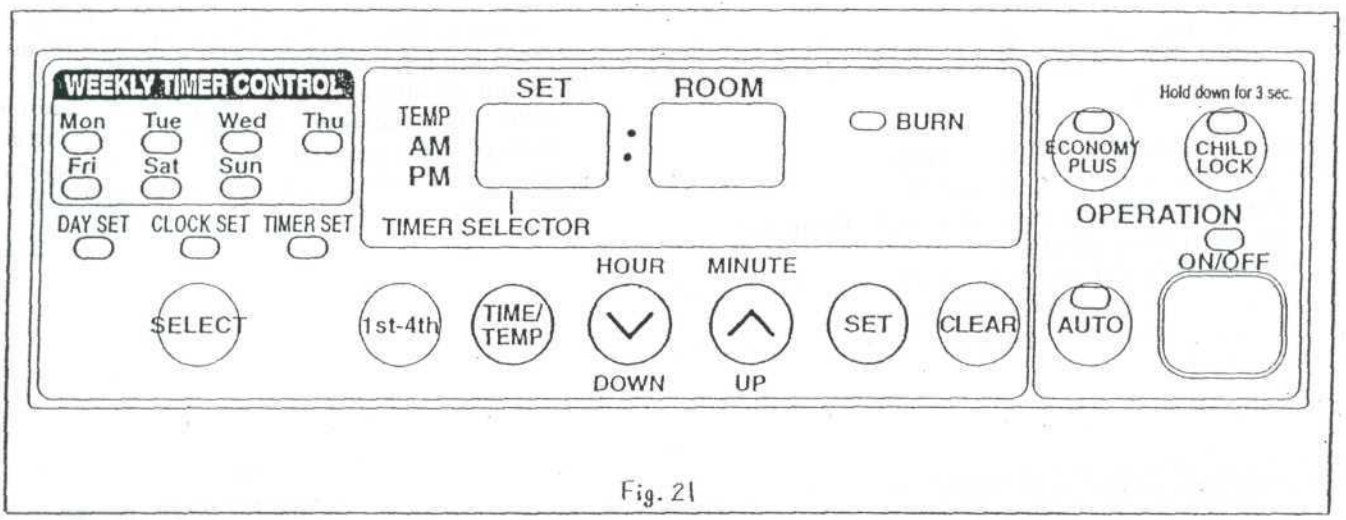


Fig. 21

ADJUSTING ROOM TEMPERATURE

Pressing either the "Up" or "Down" button will increase or decrease the set temperature by 2 degree increments. Once desired temperature is displayed, press set button to lock into memory.

The heater will automatically change its heat output until the desired room temperature is reached. While it cycles, you may hear the circulation fan change speed. Depending on the output required to maintain the desired room temperature.

*The heater will shut itself off temporarily when the desired room temperature has been reached and restart automatically when necessary to maintain room temperature.

NOTE: The heater may display room temperature 4 degrees above set temperature, depending on heater load conditions, before shutting itself off.

INSTRUCTIONS FOR ECONOMY PLUS MODE

To engage the economy plus mode, simply press down the button labeled "Economy Plus", to disengage press again.

NOTE: Operation switch must be "ON" and in manual mode.

This feature minimizes the "ON" and "OFF" cycling of the unit by allowing it to overshoot the set temperature by 8 degrees instead of the normal 4 degrees.
The advantages of this feature are to increase the overall efficiency of the unit by:
1. Reducing heat loss during the prepurge and postpurge cycles.
2. Reducing inefficient combustion associated with start up and shut down.
3. Prolonging component life by decreasing expansion and contraction of internal parts.

NOTE: This feature could be compared to driving an automobile in stop and go traffic (regular mode) versus highway driving with cruise control engaged (Economy Plus mode).

TURNING OFF THE HEATER

To turn off the heater, press the Operation Button to put it in the "Off" position (Figure 21). The operation light will go out, and the fuel flow will stop.
After turning heater off the fans will continue to run until unit has cooled down to the point where the fans will automatically stop.

RELIGHTING THE HEATER

Automatic controls prevent your heater from relighting after the Operation Button has been set to "Off" until heater has cooled.
If the Operation Button is put in the "On" position during the cooling period, the heater will automatically relight at the end of the period.

PROGRAMMING THE HEATER

SETTING THE DAY OF WEEK AND THE TIME

Step 1:Set the Day of Week
Press the "SELECT" Button, at which time the "DAY SET" Light will illuminate. The "Mon" Light will illuminate and flash at this point.
Illuminate and flash the Light of the current day of the week (e.g.; "Wed") by pressing the "UP" or "DOWN" Button, and then press the "SET" Button to lock into memory. The current day (e.g.; "Wed") light will illuminate continuously.

Step 2:Set the Time
Press the "SELECT" Button, at which time the "CLOCK SET" Light will illuminate. The LED indicator in the Display Window will show *88:88* at this point.

Step 3:Set the Hour
Press the "HOUR" Button until the correct hour (either A.M. or P.M.) appears in the window.
NOTE:The "HOUR" and "MINUTE" Buttons can be pressed and held or pressed momentarily to change the time.

Step 4:Set the Minute
Press the "MINUTE" Button until the correct time appears in the window.
Immediately press the "SET" Button.
NOTE:If the "SET" Button is not pressed within 1minute after the time set, the programming will be cancelled.

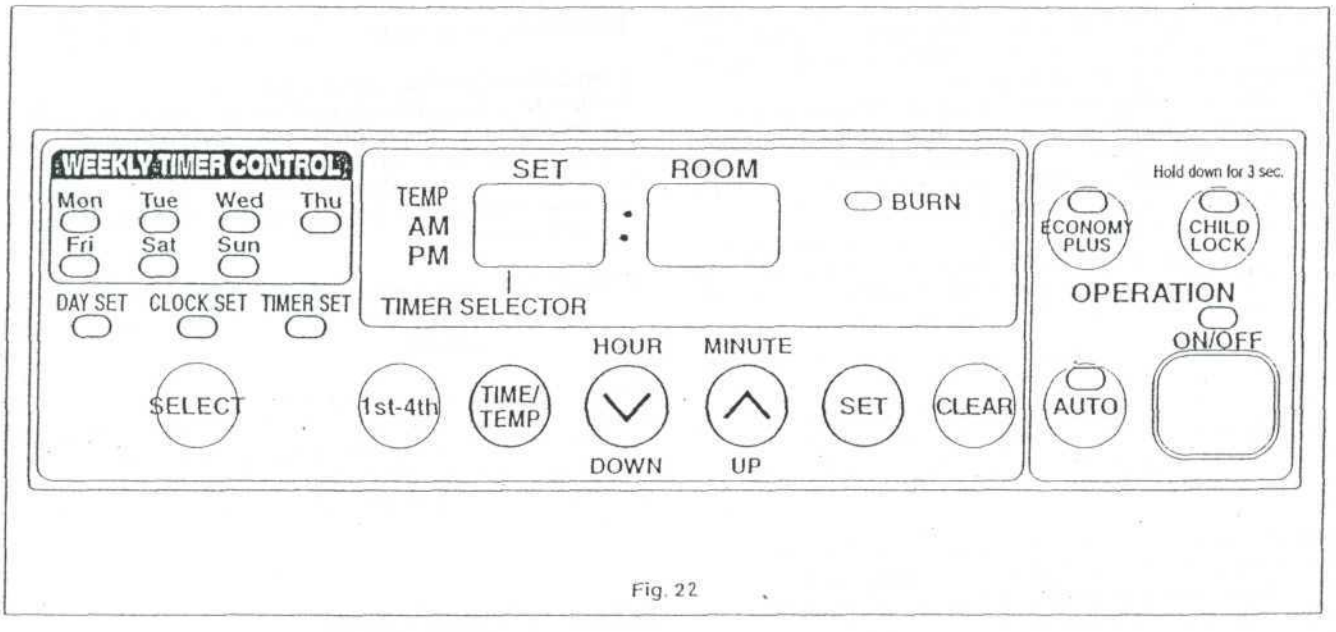


Fig. 22

PROGRAMMING THE WEEKLY TIMER FOR AUTOMATIC HEATER OPERATION

The Monitor GF3800 Heating System is capable of providing up to 4 different temperature settings for 4 different times of each day of the week. Not all 4 settings have to be used; 2, 3 or 4 settings can be used. A clear understanding of programming temperatures, time and day of the week from the previous pages is needed before programming the automatic settings. Also, the present time and the day of the week must have been set.

This system is capable of programming Monday to Friday, Saturday and Sunday to same 4 programs as shown in the table or each day can have a different set of 4 programs. Also, this system is capable of programming all 7days to have the same set.

Suggested weekday and weekend programs are shown below;

Suggested Programs

Mon - Fri

	Time	Temperature
1st	6:00 AM	68°F
2nd	8:30 AM	60°F
3rd	5:00 PM	68°F
4th	11:00 PM	58°F

Sat - Sun

	Time	Temperature
1st	7:00 AM	68°F
2nd	10:00 AM	60°F
3rd	4:00 PM	68°F
4th	11:00 PM	58°F

Step 1:Setting the 1st program of Monday

Pressing the "SELECT" Button will illuminate the "TIMER SET" Light. The "Mon" Light will illuminate and flash, and the "TIMER SELECTOR" LED indicator in the Display Window will show "*1* " at this point.

Pressing the "TIME/TEMP" Button will illuminate the ": " Light in the Display Window, and then set the 1st desired time by pressing the "HOUR" and "MINUTE" Buttons. Once the desired time "AM or PM" is displayed, press the "SET" Button to lock into memory.

Press the "TIME/TEMP" Button again. Set the desired temperature for the 1st time setting by using the "UP" and "DOWN" Buttons. Once the desired temp is displayed, press the "SET" Button to lock into memory.

Step 2:Setting the 2nd, 3rd and 4th programs of Monday

Pressing the "1st-4th" Button will show "*2* " at the "TIMER SELECTOR" LED indicator in the Display Window.

Follow same steps as above, except for 2nd time/temp. (ie; 2nd 8:30AM 60°F)

Repeat 3rd and 4th settings by same steps.

Step 3:Setting the programs of Tuesday - Sunday

Pressing the "SELECT" Button will illminate and flash the "Tue" Light, and the "TIMER SELECTOR" LED indicator in the Display Window will show "*1* " at this point.

Follow same steps as above, set the programs of Tuesday. Set the programs of remaining days in the same manner.

Step 4:Setting the program by using Copy function Tuesday - Friday

You can easily duplicate Monday's program for the remainder of the week, or any group of days, by using the Copy function.

After having set the program for Monday, press the "1st-4th" Button until "*COPY* " flashes in the LED display window. Note that "Mon" is also flashing in the Weekly Timer Control panel. To copy Monday's program to Tuesday, press the "*UP* " or "*DOWN* " button to flash the "Tue" light. Both "Mon" and "Tue" lights are flashing.

Press the "SET" button, and "Tue" is steady, and "*COPY* " and "Mon" lights are flashing.

Next. Press the "UP" or "DOWN" button to illuminate "Wed" and then press "SET". "Tue" and "Wed" are both steady, but "Mon" and "*COPY* " are flashing.

Repeat the above sequence for "Thu" and "Fri".

Then hold down the "SET" button for 3 seconds, or until you hear the "BEEP" and observe that "*COPY* " stops flashing. The programs for Tue, Wed, Thu, and Fri are now copied and set.

In about 10 seconds, only "Mon" will be flashing.

Press the SELECT button to select the current day, and the TIME will appear in the display window.

Saturday - Sunday

Follow same steps as above to set the "Saturday" program. (Steps 1 and 2)

Press "1st-4th" button until "*COPY* " flashes in the display window.

Press the "UP" or "DOWN" button to illuminate "Sun" which will flash.

Press "SET" button and "Sun" will light steady.

Then, press "SET" button for 3 seconds, or until you hear the "BEEP" sound and "*COPY* " light stops flashing.

The Sunday program has been copied from Saturday.

Step 5:Activate Automatic Operation

For the heater to operate on automatic once the settings are in memory, simply press the "AUTO" Button on the control panel. The "AUTO" Light will illuminate to confirm the heater is in the automatic operation mode. The heater will now maintain the programmed temp for that time of day of the week.

IMPORTANT: The heater will not operate in automatic unless the ON/OFF switch is in the "ON" position.

Step 6: Clearing An Automatic Setting

If you wish to clear any automatic setting, press the "SELECT" and "1st-4th" Button to the appropriate setting and press the "CLEAR" Button. A new setting will need to be entered otherwise the old setting will return after 1 minute.

MANUAL OPERATION

To deactivate the automatic operation, simply press the "AUTO" Button. The "AUTO" Light will no longer be illuminated and the heater will run on a manual setting. This setting will be determined by the previous auto setting for that time of day, unless reset. The automatic settings will remain in memory even if the unit is running in manual, unless there is a power outage for more than 30 minutes.

SECTION G

PROTECTIVE FEATURES

LOSS OF POWER-AUTOMATIC RESET:

NOTE:If power to the heater is interrupted, a thud-like noise may be heard in the combustion chamber. This is normal, and should not cause alarm.
For power interruptions of up to 30 minutes, the set memory is kept and will resume operation automatically with the set memory.
For power interruptions beyond 30 minutes, if your heater was in MANUAL operation before the power interruption, it will resume operation (after a 3 minute cool down period) in the MANUAL mode and maintain room temperature at the last manually selected and set temperature. In the case of AUTOMATIC operation before the power interruption, the heater will resume operation at a reset temperature of 60° F.
When the heater resumes operation, The Display Window will show 88:88 indicating the need to reset the clock and the day of the week for automatic operation.

CHILD LOCK:

NOTE:The CHILD LOCK will help to prevent accidental operation as well as small children from altering controls.

To operate the CHILD LOCK simply hold the "CHILD LOCK" Button down for 3 seconds, or until you hear two short beeps. The function is activated immediately and the "CHILD LOCK" Light will illuminate.
To deactivate the CHILD LOCK simply hold the "CHILD LOCK" Button down for 3 seconds, or until you hear two short beeps. The "CHILD LOCK" Light will go out.
The lock can be deactivated at any time in this way.

During normal operation the CHILD LOCK may be activated and all controls other than the OFF switch will be locked. Deactivating the lock releases the controls. If the lock is activated while the heater is turned OFF, then all functions will be locked. If the heater is Turned OFF while the CHILD LOCK is activated, it cannot be turned ON again until the lock is deactivated.

ELECTRICAL FUSE

In the unlikely event of a failure in the heater's electrical system, a fuse will "blow" and interrupt the power. Do not attempt to change the fuse.

Contact your MPI dealer for the name of a trained and certified service representative in your area.

NOTE: Using a surge protector can minimize the chances of a blown fuse caused by power surges.

OVERHEAT PREVENTION

If your heater overheats, a thermostatic switch will automatically stop the flow of gas, and extinguish the flame. The Display Window shows "E 17".

Restore heater operation by following the steps below

NOTE:Other symptoms listed in the trouble shooting chart may cause the display window to show "E 17", besides an overheat situation.

Step 1: Turn the Heater Off
Press the Operation Button to put it in the "Off" position.

Step 2: Allow the Heater to Cool
Wait approximately 30 to 45 minutes for the heater to cool completely.

Step 3: Unplug the Heater from the Wall Outlet.

Step 4: Remove Obstructions
The overheated condition may be caused by obstructions blocking the air flow to the heater . Check:
- The front of the heater
- The circulation fan (on the back of the heater).
- The flue pipe (outside)

Step 5: **Remove Front Cover and Grill Assys**
Remove the screws from each side of the cabinet securing the Front Cover. Carefully remove the Front Cover. Remove the 7 screws,(three on each side and one in the center) securing the Grill Assembly to the heater. Remove the Grill Assembly.
Remove any accumulation of dust or other matter that may be covering the burn chamber and the heat exchangers inside the heater.

Step 6: **Replace the Front Cover and Grill Assemblies**

Step 7: Plug in the Heater

Step 8: Re-program the Heater

Step 9: Turn Heater On

⚠ *CAUTION: If the unit overheats a second time, turn it off and contact your MPI dealer for service.*

SECTION H

MAINTENANCE AND CHECK

Push operation switch to "OFF" remove the AC Plug from the wall outlet and wait approximately 30 minutes for the heater to cool before performing any of the following steps.

Checking the Heater Area

Should be kept clean and free from combustible materials, gasoline and other flammable vapors and liquids.

Retrieving Objects from Inside the Heater

Should an object fall inside the heater, through the grill openings, it must be removed to avoid affecting the operation of the heater.

After allowing the heater to cool, remove the front cover panel and grill. (See Step 5, Page 21.) After the object has been removed, replace the grill and front panel before attempting to re-start the heater.

Cleaning the Cabinet

When the cabinet is soiled, wipe it with a damp cloth. Restore the shine with a dry cloth. The use of abrasive household cleaners may dull the finish.

⚠CAUTION:

Checking the Flue Pipe

At the beginning of each heating season, check the inside of the flue pipe. Foreign matter, spider webs, etc. must be removed.

Be sure all fittings and joints are tight.

NOTE: Reassembly and Resealing of the Vent-Air Intake Pipes

Make sure that all exhaust pipe and intake pipe connections are firmly mated.

Make sure that the connections between the flue pipe and exhaust/air intake pipe and hose are secured by the pipe holder (P/N 4006) and the hose band (P/N 4008).

Cleaning the Interior

Remove the front cover and grill assemblies (See Step 5, Page 21), and vacuum and wipe away dust and other accumulation.

Cleaning the Blower Guard

Heating efficiency will be reduced if the blower guard at rear of the cabinet is blocked with dirt or dust.

Blockage also produces a rise in heat that could cause the heater to shut off.

Wipe the guard clean at least once a week.

Electric Motor Maintenance

Motors are permanently lubricated and need no lubrication. Keep fan and motor free of dust and dirt clean annually.

Checking the Burner Flame

The burner of this appliance does not need cleaning, but check the burner flame once a year.

Flame pattern should be as shown in the following figures.

The burner must flame evenly over the entire surface when operating correctly. The flame must burn with a clear blue stable flame.

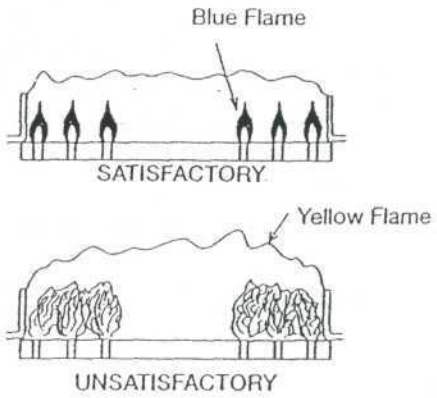


Fig.23

Cleaning the Burner

Cleaning the burner requires disassemble of the heat exchanger and combustion chamber.

⚠WARNING:

Do not attempt to disassemble the heat exchanger and combustion chamber. This work is critical and must be done only by an authorized technician.

Storing the Heater

During summer months or long periods when your heater will not be in operation, take the following steps:

- Clean off the exterior cabinet with a damp cloth, and brush or vacuum dust from the grills.
- Cover the heater to protect it from dust.
- DO NOT DISASSEMBLE the heater or extension kits. Replacement of lost parts is an unnecessary expense.
- Shut off fuel supply to unit.
- Disconnect or shut off power supply to unit to prevent possible damage from lightning or power surge.

SECTION I

TROUBLESHOOTING GUIDE

Should symptoms appear during the operation of your heater, refer to the chart below. If you are unable to restore normal operation, contact your MPI dealer for service.

SYMPTOM	CAUSE	REMEDY
Heater does not go on with operation switch.	Timer is in Auto.	Press Auto Button again.
	AC cord is disconnected from wall outlet. Power failure.	Check plug and power source. Reset circuit breaker.
Heater does not ignite.	Air in gas pipe.	Purge air. Repeat starting procedure.
Heater extinguishes after lighting. (Note 2)	Flue pipe obstructed. Louver obstructed.	Clear obstruction.
Erratic changes in room temperature. (Slight differences in room temperature are normal.)	Poor location of heat sensor. Poor air movement.	Relocate the sensor. Make sure clearances are kept around unit. Add room fans to better circulate air throughout area.
Automatic timer does not start heater.	Operation switch is not in the "ON" position.	Depress operation button to "ON" position.
	Timer is in Manual.	Press Auto Button.
	Timer improperly programmed.	See "Programming for Automatic Operation" , page 20.
	Power interruption.	See "Loss of Power", page 21.
Poor flame, sounds of combustion, soot at the rear of the heater.	Loose flue pipe.	Allow heater to cool completely; tighten all connections.
Soot on inside of burner window or exhaust ports of flue pipe.	Obstruction of combustion air intake system or combustion fan failure.	Inspect air intake system and air supply elbow for blockage. Clean with a brush, if necessary, and carefully reconnect.
Heater switches from automatic to manual operation: display window shows 88: 88.	Power interruption; automatic reset.	See "Loss of Power", page 21.

NOTE: Several of the symptoms mentioned above may also be signs that your unit is due for routine maintenance, especially if it is several years old. Contact your Monitor dealer for an appointment.

Note 2: The GF is equipped with a blocked vent shut-off system to safely shut off the unit if the vent becomes blocked with snow or other obstruction. In the event that the GF unit fails to operate, contact an authorized service technician or a qualified service agency.

WIRING DIAGRAM

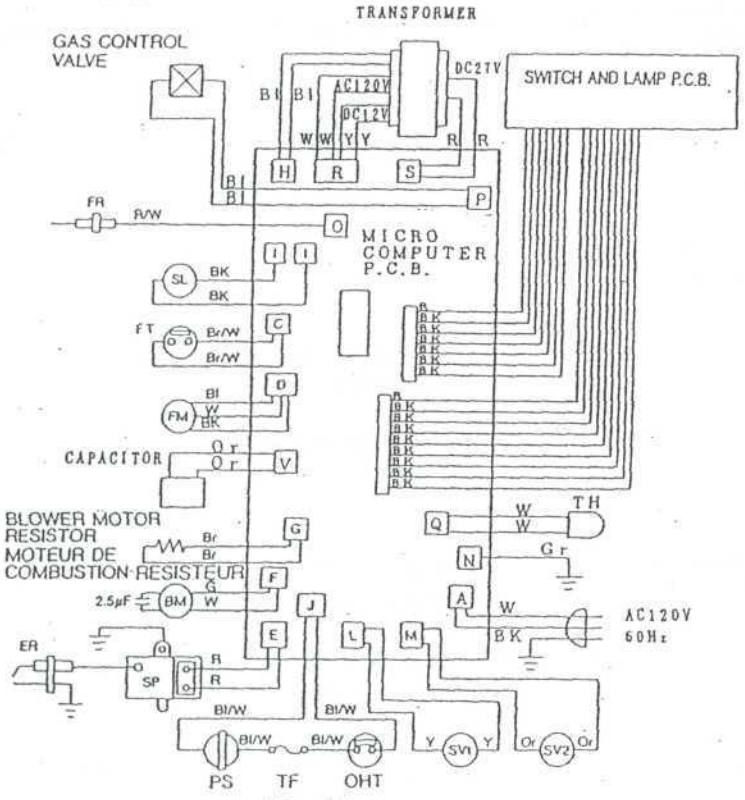


Fig. 24

BLOCK DIAGRAM

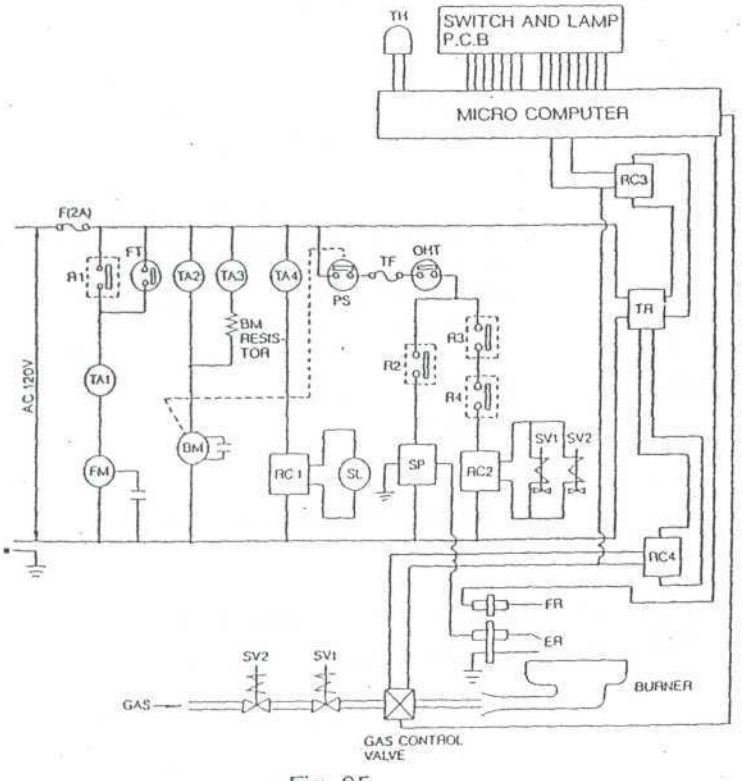


Fig. 25

⚠CAUTION:

- Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.
- If any of the original wire as supplied with the appliance must be replaced, it must be replaced with a wire of at least a 105°C temperature rating.

CODE	COLOR
Bk	Black
Bl	Blue
Br	Brown
G	Gray
Or	Orange
R	Red
W	White
Y	Yellow
Gr	Green

MARK	PARTS NAME
BM	COMBUSTION BLOWER MOTOR
ER	ELECTRODE
F	CURRENT FUSE
FM	CIRCULATION FAN MOTOR
FR	FLAME ROD
FT	FAN THERMOSTAT
OHT	OVERHEAT THERMOSTAT
PS	AIR PRESSURE SWITCH
RC1~4	RECTIFICATION CIRCUIT
R1~4	RELAY
SL	SOLENOID
SP	SPARKER
SV1	SOLENOID VALVE 1
SV2	SOLENOID VALVE 2
TA1~4	TRIAC
TF	THERMAL FUSE
TH	THERMISTOR
TR	TRANSFORMER

※ Grounded inside chassis at bottom of unit.

SECTION K

PARTS LIST

NO.	PARTS NAME	PARTS NO.	QTY	REMARKS	NO.	PARTS NAME	PARTS NO.	QTY	REMARKS
1	ADJUSTABLE LEG	5019	4		37	BURNER ASSY	6637	1	
2	TRAY	6903	1		38	MIXING PLATE ASSY	6638	1	
3	AIR SUPPLY HOSE A	6301	1		39	BURNER PORT ASSY	6639	1	
4	AIR SUPPLY HOSE B	6302	1		40	FLAME HOLDER	6640	1	
5	AIR LINE B	6603	1		41	BURNER PACKING	6641	1	
6	O RING(P10)	6604	1		42	ORIFICE HOLDER	6642	1	
7	AUTOMATIC GAS VALVE UNIT	6606	1		43	ORIFICE GUIDE	6643	1	
8	GAS INLET JOINT	6608	1		44	GASKET 4	6644	1	
9	O RING(P11)	6609	1		45	BLOWER ASSY	6912	1	
10	GAS PIPE JOINT	6804	1		46	BLOWER MOTOR	6348	1	
11	O RING(P14)	6805	1		47	BLOWER CAPACITOR(2.5μF)	6322	1	
12	GASKET 1	6614	1		48	SOLENOID	6406	1	
13	BURNER CHAMBER ASSY	6908	1		49	SUCTION CASE A ASSY	6324	1	
14	WINDOW PACKING	6616	1		50	SEAL PACKING	6144	1	
15	MICA PLATE	6617	1		51	PWB SPACER CLIP A	6461	9	
16	MICA HOLDER	6618	1		52	PWB SPACER CLIP B	6462	3	
17	PLUG BASE ASSY	6619	1		53	PWB ASSY	6900	1	
18	FLAME DETECTIVE PLUG ASSY	6620A	1		54	POWER TRANSFORMER	6907	1	
19	IGNITION ELECTRODE ASSY	6621	1		55	FAN CAPACITOR(1.8μF)	6901	1	
20	PLUG HOLDER	6622	1		56	CABINET ASSY	6904	1	
21	PLUG PACKING	6623	1		57	RUBBER BUSH	6136	2	
22	GASKET 5	6624	1		58	STRAIN RELIEF BUSHING	4833	1	
23	GASKET 6	6625	1		59	POWER SUPPLY CORD	6706	1	
24	COMBUSTION CHAMBER ASSY	6626	1		60	CARRYNG HANDLE	6707	2	
25	GASKET 7	6627	1		61	SENSOR ASSY	6708	1	
26	CHAMBER CAP ASSY	6628A	1		62	METAL WIRE WAY B	6455	1	
27	GASKET 8	6313	1		63	METAL WIRE WAY A	6455	1	
28	HEAT EXCHANGER ASSY	6909	1		64	FAN ASSY	6075	1	
29	GASKET 9	6122	1		65	CIRCULATION MOTOR	6453	1	
30	EXHAUST DUCT ASSY	6630	1		66	BLOWER GUARD ASSY	6454	1	
31	O RING(P39)	6176	1		67	UNDER COVER	6711	1	
32	GASKET 2	6631	1		68	LOUVER ASSY	6712	1	
33	AIR PRESSURE SWITCH	6911	1		69	PLASTIC BUTTON PANEL	6906	1	
34	AIR LINE A	6633	1		70	LAMP PANEL	6714	1	
35	SPARKER	6634	1		71	CONTROL COVER	6715	1	
36	PRESSURE DETECTIVE PIPE	6910	1		72	SWITCH & LAMP ASSY	6716	1	

Toll free: (800) 524-1102 or (609) 584-0505

NOTE : TO OBTAIN PARTS, CONTACT YOUR DEALER OR,
MONITOR PRODUCTS, INC. Toll free: (800) 524-1102 or (609) 584-0505

NO.	PARTS NAME	PARTS NO.	QTY	REMARKS	NO.	PARTS NAME	PARTS NO.	QTY	REMARKS
73	FRONT COVER	6905	1		108	ORIFICE(LP HA)	6662	1	
74	FAN THERMOSTAT	6914	1		109	MICROPROCESSOR	6913	1	
75	OVER HEAT THERMOSTAT	6704	1		110	FUSE(250V, 2A)	6173	1	
76	THERMAL FUSE	6652	1		111	PHOTO TRIAC(IC2)	6701	1	
77	TOP COVER	6718	1		112	PHOTO TRIAC(IC3)	6257	1	
78	WALL CLAMPS	6194	1		113	PHOTO TRIAC(IC4)	6258	1	
79	VENT CONNECTOR	4004	1		114	PHOTO TRIAC(IC5)	6259	1	
80	PIPE HOLDER	4006	1		115	TR ARRAY(M54563P) IC11	6187	1	
81	AIR SUPPLY HOSE ASSY	6145	1		116	TRIAC(Q1)	6255	1	
82	FLUE PIPE A/B	8050	1		117	BUZZER	6203	1	
83	SLEEVE NUT	6723	1		118	GF500 FLAME ROD/ELECTRODE ASSY	6664	1	
84	SLEEVE FLANGE SET	6148	1						
85	EXHAUST OUTLET CAP	4014	1						
86	AIR PORT O RING	4016	1						
87	AIR OUTLET CAP	4805	1						
88	HOSE BAND	4008	2						
89	AIR DAMPER NAT S	6653	1						
90	AIR DAMPER NAT E	6654	1						
91	AIR DAMPER LP S	6655	1						
92	AIR DAMPER LP E	6656	1						
93	ORIFICE(NAT GAS)	6657	1						
94	ORIFICE(LP GAS)	6658	1						
95	GAS PIPE ASSY	6659	1						
96	MANUAL GAS VALVE	6601	1						
97	Combustion Blower Assy Nut and Retaining Washer	6348A	1						
98	RESISTOR	6338	1						
99	SCREW SET FOR FLUE PIPE	6197	1						
100	CARTON BOX	6738	1						
101	CUSHION SET	6721	1						
102	OWNERS GUIDE	1158	1						
103	TOUCH-UP PAINT(WHITE)	8216	1						
104	TOUCH-UP PAINT(M2400 GREY)	6722	1						
105	Cabinet Screw Assortment	6735	1						
106	PLUNGER ASSY	6406A	1						
107	ORIFICE(NAT HA)	6661	1						

NOTE : TO OBTAIN PARTS, CONTACT YOUR DEALER OR,
MONITOR PRODUCTS, INC. Toll free: (800) 524-1102 or (609) 584-0505

(99) Screw Set for Flue Pipe
(100) Carton Box
(101) Cushion Set
(102) Owners Guide
(103) Touch-up Paint (White)
(104) Touch-up Paint (Grey)
(105) Gabinet Screw Assortment

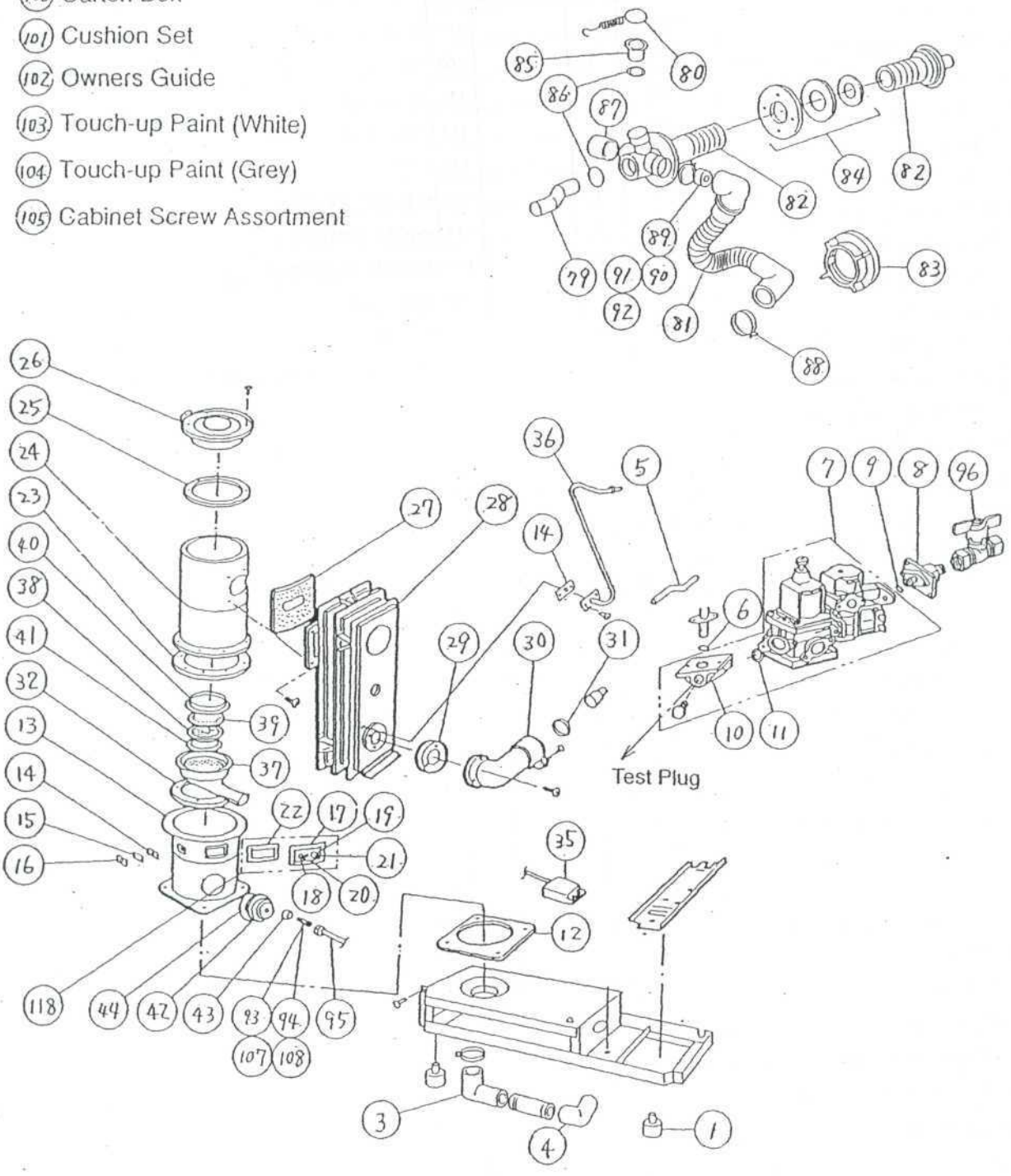


Fig. 26

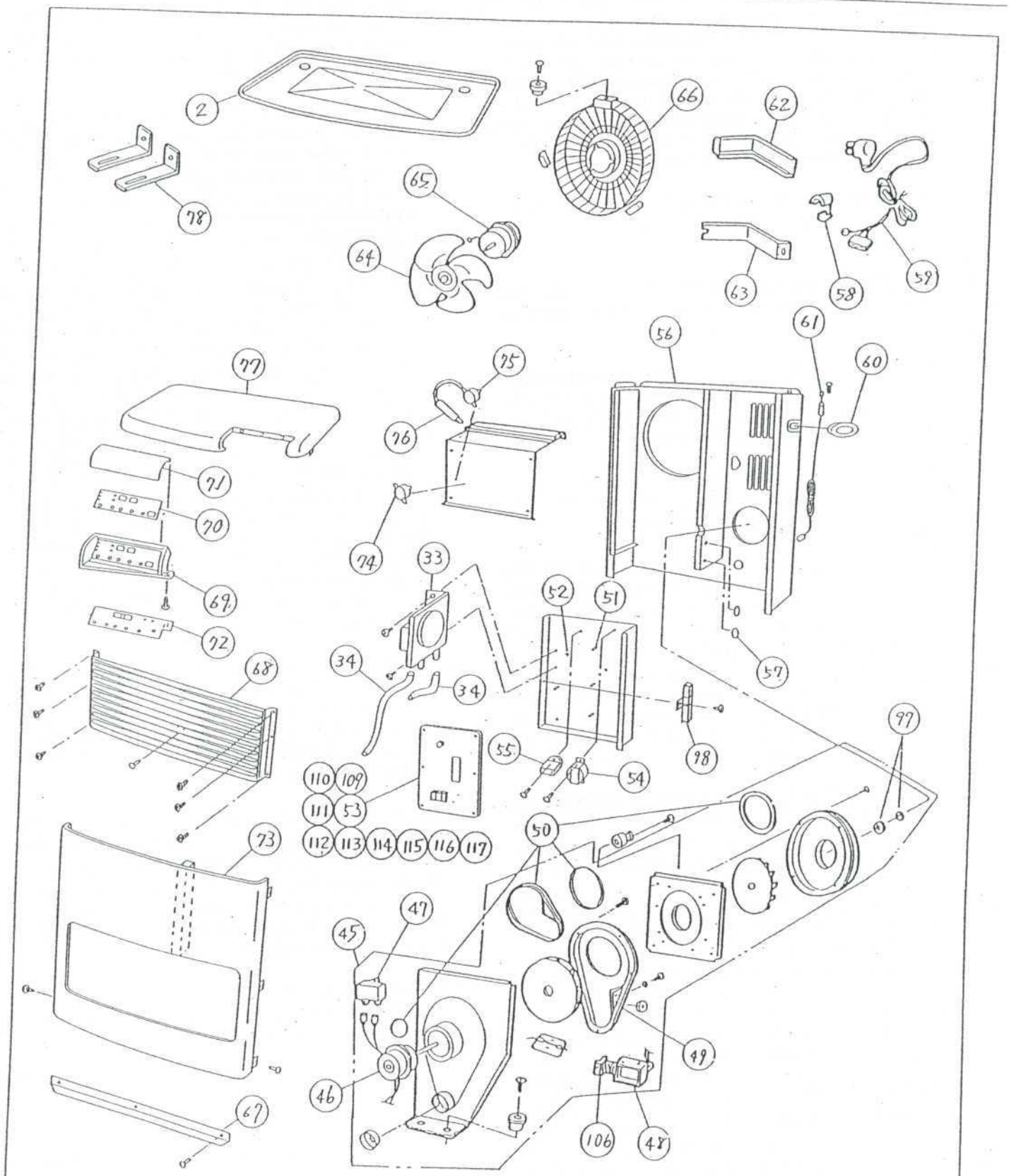

2
78
66
62
65
64
63
58
59
56
61
60
75
76
74
77
71
70
69
72
68
33
34
34
52
51
57
55
54
98
97
110
109
111
53
112
113
114
115
116
117
50
73
47
45
49
46
106
48
67

Fig. 27

Monitor GF3800 Vented Heating Systems Limited Warranty

MONITOR PRODUCTS, INC., warrants each MONITOR GF3800 Vented Heating System sold by it to be free from defects in material and workmanship, under normal use and service, for two years after date of original retail purchase, subject to the terms and conditions stated below. An extended parts only warranty period of 36 months is provided for combustion chamber and heat exchanger. The remainder of the unit is subject to the 12 months warranty as provided herein.

1. WARRANTOR: This warranty is granted by Monitor Products, inc., P.O. Box 3408, Princeton, New Jersey 08543.

2. PARTIES TO WHOM WARRANTY IS EXTENDED: This warranty shall be extended only to the original retail purchaser.

3. PARTS COVERED: All products and parts manufactured by or for Monitor Products, inc., except as provided for herein. Replacement parts are warranted only for the balance of the original warranty period.

4. PARTS NOT COVERED: The following parts are not covered by this warranty: venting kits, extension kits, fuses, and all parts damaged by lightning.

5. REMEDY: If within the applicable warranty period, any product or part included in this warranty proves to be defective in material and/or workmanship, then Monitor Products, inc., shall repair or replace, at its option, the defective product or part. Service at the point of installation (not including dealer travel time) will be provided at no charge to the customer, but must be performed by a Monitor Products, inc., dealer authorized to sell and service the MONITOR GF3800 Vented Heating System.

6. PROCEDURE FOR OBTAINING PERFORMANCE UNDER THIS WARRANTY: In order to obtain performance of the obligations under this warranty, the original purchaser must promptly (in no event later than thirty (30) days after discovery of the defect) notify the local Monitor Products, inc., dealer authorized to sell and service the MONITOR GF3800 Vented Heating System.
   Service will be provided during normal business hours within a reasonable time after the dealer has been notified of the need for service. If you are unable to locate a local Monitor Products, inc., dealer authorized to sell and service the MONITOR GF3800 Vented Heating System, call or write: SERVICE DEPARTMENT, MONITOR PRODUCTS, INC., 7A Marlen Drive, Robbinsville, NJ 08691, (609) 584-0505
   Any claim made under this warranty must be accompanied by proof of original purchase date, sales invoice or canceled check showing the serial number as satisfactory evidence.

7. SOLE REMEDY: The remedy and liability for any breach of warranty, express or implied, set forth above is the sole and exclusive remedy and the limit of liability for any such breach.

8. EXCLUSIONS AND IMPLIED WARRANTIES: THIS WARRANTY DOES NOT EXTEND TO ANY DEFECT DUE TO THE NEGLIGENCE OF OTHERS, FAILURE TO INSTALL, OPERATE OR MAINTAIN THE HEATER IN ACCORDANCE WITH THE INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTION FURNISHED WITH EACH NEW HEATER, UNREASONABLE USE, ACCIDENTS, ACTS OF GOD, FIRE, SNOW, FLOODS, LIGHTNING, ALTERATION, ORDINARY WEAR AND TEAR, THE USE OF UNAUTHORIZED OR NON-STANDARDIZED PARTS OR ACCESSORIES. ALL IMPLIED WARRANTIES, IF ANY, ARISING UNDER STATE LAW IN CONNECTION WITH THE SALES BY MONITOR PRODUCTS, INC., OF ANY NEW HEATER ARE LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THIS WARRANTY. MONITOR PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. WHETHER AS A RESULT OF BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE.

NOTE: SOME STATES DO NOT ALLOW: (A) LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS; OR (B) THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

9. NO VARIATION OF TERMS: THE PARTIES INTEND THAT THIS WARRANTY BE THE EXCLUSIVE AND FINAL EXPRESSION OF THEIR AGREEMENT.
   No person has the authority to orally, in writing or in any other way vary the terms, conditions or exclusions, of this warranty or to make any express warranties other than those contained herein.

10. LEGAL RIGHTS: This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Monitor Products, Inc.
7A & 7E Marlen Drive
Robbinsville, NJ 08691

PART NO. 1158 —Rev.6/02

COPYRIGHT © 2002 MONITOR PRODUCT, INC.,